

Ser No. 10/529,123 Clean Version of Claims For:
DEHUMIDIFYING OF AIR WITHIN SWITCH CABINET FOR A WIND TURBINE
BY MEANS OF PELTIER ELEMENT

CLAIMS

1-12 Cancelled

13. (Currently Amended) An apparatus, comprising:

a power-generating wind turbine switch cabinet;
at least one power-generating wind turbine circuit element coupled to the power-generating wind turbine switch cabinet;
a drying arrangement adapted to prevent water deposition onto the at least one power-generating wind turbine circuit element, the drying arrangement including an air flow device in close proximity to the at least one power-generating wind turbine circuit element and generating an air flow moving past the at least one power-generating wind turbine circuit element to counteract the water deposition onto the at least one power-generating wind turbine circuit element; and
guiding means directing the air flow from the air flow generating device past the at least one power-generating wind turbine circuit element.

14. (Currently Amended) The apparatus of claim 13, wherein the drying arrangement further comprises:

at least one heating device in close proximity to the at least one power-generating wind turbine circuit element adapted to heat an air passing by the at least one power-generating wind turbine circuit element, wherein the guiding means further directs the air flow from the air flow generating device past the at least one heating device.

15. (Previously Amended) The apparatus of claim 13 or 14, wherein the drying

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arrangement further comprises:

 a cooling element to separate water from air flowing by, the cooling element being spaced apart from the at least one power-generating wind turbine circuit element; and

 a drain element to drain the water deposition out of the power-generating wind turbine switch cabinet.

16. (Currently Amended) The apparatus of claim 15, wherein the air flow device further generates an air flow circulating within the power-generating wind turbine switch cabinet and the guiding means directs the air flow past the at least one power-generating wind turbine circuit element and the cooling element.

17. (Previously Amended) The apparatus of claim 15, wherein a Peltier element includes the at least one heating device and the cooling element.

18. (Previously Amended) The apparatus of claim 16, wherein a Peltier element includes the at least one heating device and the cooling element.

19. (Previously Amended) The apparatus of claim 17, further comprising:

 a plate-like flow guidance element interspersed with the Peltier element, and wherein the at least one power-generating wind turbine circuit element is disposed at a side of the flow guidance element to face a warmer part of the Peltier element.

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20. (Previously Amended) The apparatus of claim 18, further comprising:

a plate-like flow guidance element interspersed with the Peltier element, and
wherein the at least one power-generating wind turbine circuit element is disposed at a
side of the flow guidance element to face a warmer part of the Peltier element.

21. (Previously Amended) The apparatus of claim 13, further comprising:

a control device to control the drying arrangement depending on temperature or
humidity within or outside the power-generating wind turbine switch cabinet.

22. (Previously Amended) The apparatus of claim 13, wherein the at least one power-
generating wind turbine circuit element controls an operation of the wind turbine.

23. (Currently Amended) A method comprising:

controlling an operational parameter of a power-generating wind turbine by at
least one power-generating wind turbine circuit element coupled to a power-generating
wind turbine switch cabinet;

generating an airflow in the internal space of the power-generating wind turbine
switch cabinet flowing past the at least one power-generating wind turbine circuit
element using an air flow generating device to counteract a deposition of condensation
water onto the at least one power-generating wind turbine circuit element; and

guiding the generated airflow past the at least one power-generating wind turbine
circuit element by guiding means.

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24. (Currently Amended) The method of claim 23, further comprising:
- guiding the generated airflow past a heating device by guiding means;
- heating an air in a region of the at least one power-generating wind turbine circuit element; and
- guiding the generated airflow past the at least one power-generating wind turbine circuit element by guiding means.
25. (Previously Amended) The method of claim 23 or 24, further comprising:
- separating water from the airflow at a cooling element, the cooling element spaced apart from the at least one power-generating wind turbine circuit element; and
- draining the condensation water out of the switch cabinet by a drain element.
26. (Previously Amended) The method of claim 24, further comprising:
- heating the air by the Peltier element, which is also used as a cooling element.
27. (Previously Amended) The method of claim 25, further comprising:
- heating the air by the Peltier element, which is also used as a cooling element.
28. (Previously Amended) The method of claim 25, further comprising:
- generating the airflow, heating the air, and activating the cooling element depending on temperature or humidity within or outside the power-generating wind turbine switch cabinet.

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13. (Currently Amended) An apparatus, comprising:

a power-generating wind turbine switch cabinet;

at least one power-generating wind turbine circuit element coupled to the power-generating wind turbine switch cabinet; and

a drying arrangement adapted to prevent water deposition onto the at least one power-generating wind turbine circuit element, the drying arrangement including an air flow device in close proximity to the at least one power-generating wind turbine circuit element and generating an air flow in a region of moving past the at least one power-generating wind turbine circuit element to counteract the water deposition onto the at least one power-generating wind turbine circuit element; andguiding means directing the air flow from the air flow generating device past the at least one power-generating wind turbine circuit element.

14. (Currently Amended) The apparatus of claim 13, wherein the drying arrangement further comprises:

at least one heating device in close proximity to the at least one power-generating wind turbine circuit element adapted to heat an air in the region of passing by the at least one power-generating wind turbine circuit element, wherein the guiding means further directs the air flow from the air flow generating device past the at least one heating device.

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15. (Previously Amended) The apparatus of claim 13 or 14, wherein the drying arrangement further comprises:

a cooling element to separate water from air flowing by, the cooling element being spaced apart from the at least one power-generating wind turbine circuit element; and

a drain element to drain the water deposition out of the power-generating wind turbine switch cabinet.

16. (Currently Amended) The apparatus of claim 15, wherein the air flow device ~~generating~~ further generates an air flow circulating within the power-generating wind turbine switch cabinet and ~~moving~~ the guiding means directs the air flow past the at least one power-generating wind turbine circuit element and the cooling element.

17. (Previously Amended) The apparatus of claim 15, wherein a Peltier element includes the at least one heating device and the cooling element.

18. (Previously Amended) The apparatus of claim 16, wherein a Peltier element includes the at least one heating device and the cooling element.

19. (Previously Amended) The apparatus of claim 17, further comprising:

a plate-like flow guidance element interspersed with the Peltier element, and wherein the at least one power-generating wind turbine circuit element is disposed at a side of the flow guidance element to face a warmer part of the Peltier element.

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20. (Previously Amended) The apparatus of claim 18, further comprising:

a plate-like flow guidance element interspersed with the Peltier element, and wherein the at least one power-generating wind turbine circuit element is disposed at a side of the flow guidance element to face a warmer part of the Peltier element.

21. (Previously Amended) The apparatus of claim 13, further comprising:

a control device to control the drying arrangement depending on temperature or humidity within or outside the power-generating wind turbine switch cabinet.

22. (Previously Amended) The apparatus of claim 13, wherein the at least one power-generating wind turbine circuit element controls an operation of the wind turbine.

23. (Currently Amended) A method comprising:

controlling an operational parameter of a power-generating wind turbine by at least one power-generating wind turbine circuit element coupled to a power-generating wind turbine switch cabinet; and

generating an airflow in the internal space of the power-generating wind turbine switch cabinet flowing past the at least one power-generating wind turbine circuit element using an air flow generating device to counteract a deposition of condensation water onto the at least one power-generating wind turbine circuit element; and guiding the generated airflow past the at least one power-generating wind turbine circuit element by guiding means.

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24. (Currently Amended) The method of claim 23, further comprising:

guiding the generated airflow past a heating device by guiding means;
heating an air in a region of the at least one power-generating wind turbine circuit
element; and
guiding the generated airflow past the at least one power-generating wind turbine
circuit element by guiding means.

25. (Previously Amended) The method of claim 23 or 24, further comprising:

separating water from the airflow at a cooling element, the cooling element
spaced apart from the at least one power-generating wind turbine circuit element; and
draining the condensation water out of the switch cabinet by a drain element.

26. (Previously Amended) The method of claim 24, further comprising:

heating the air by the Peltier element, which is also used as a cooling element.

27. (Previously Amended) The method of claim 25, further comprising:

heating the air by the Peltier element, which is also used as a cooling element.

28. (Previously Amended) The method of claim 25, further comprising:

generating the airflow, heating the air, and activating the cooling element
depending on temperature or humidity within or outside the power-generating wind
turbine switch cabinet.